Pending Claims

- 1. (Currently Amended) A fluid pharmaceutical composition comprising an aqueous dispersion of micelles having an average diameter less than about 300 nm, said micelles comprising: (i) a podophyllotoxin selected from the group consisting of etoposide and teniposide, and (ii) a surfactant consisting essentially of the covalently linked reaction product of tocopherol tocoferol wherein said tocoferol consists of tocoferol covalently linked to and a water-soluble polymer and being at least 99% free of unreacted tocopherol—and wherein not more than about 1.5% of said tocopherol is free tocopherol.
 - 2. Cancelled.
 - 3. Cancelled.
- 4. (Previously presented) The fluid pharmaceutical composition of claim 1 wherein the podophyllotoxin is etoposide.
 - 5. Cancelled.
 - 6. Cancelled.
- 7. (Previously presented) The fluid pharmaceutical composition of claim 1 wherein the water-soluble polymer is poly-oxyethylene, poly-oxyethylene-poly-oxypropylene copolymers polyacrylamides, polyglycerols, polyvinylalcohols, polyvinylpyridines, polyvinylpyridine N-oxides, copolymers of vinylpyridine N-oxide and vinylpyridine, polyoxazolines, polyacroylmorpholines.
- 8. (Previously presented) The fluid pharmaceutical composition of claim 1 wherein the water-soluble polymer is a polypeptide.
- 9. (Previously presented) The fluid pharmaceutical composition of claim 1 wherein the water-soluble polymer further comprises a second hydrophobic group in addition to tocoferol.
- 10. (Currently amended) The fluid pharmaceutical composition of claim 1 wherein the tocoferol covalently linked to a water-soluble polymer is d-α-tocopheryl polyethylene glycol 1000 succinate (TPGS) or a derivative thereof formed by attaching a polymer on the tocoferol succinate portion or by attaching in which the TPGS is attached to the hydroxyl group of polyethylene glycol (PEG).

- 11. (Previously presented) The fluid pharmaceutical composition of claim 10 wherein the d- α -tocopheryl polyethylene glycol 1000 succinate is present at a concentration from about 0.02 wt % to about 20 wt %.
- 12. (Previously presented) The fluid pharmaceutical composition of claim 10 wherein the d- α -tocopheryl polyethylene glycol 1000 succinate is present at a concentration from about 0.02 wt % to about 10 wt %.
- 13. (Previously presented) The fluid pharmaceutical composition of claim 10 wherein the d- α -tocopheryl polyethylene glycol 1000 succinate is present at a concentration from about 4 wt % to about 10 wt %.
- 14. (Previously presented) The fluid pharmaceutical composition of claim 1 further comprising a targeting molecule.
- 15. (Previously presented) The fluid pharmaceutical composition of claim 14 wherein the targeting molecule comprises a targeting moiety and a lipophilic moiety.
- 16. (Previously presented) The fluid pharmaceutical composition of claim 15 wherein the targeting moiety is an antibody, hormone, carbohydrate, drug, cytokine, or interleukin.
- 17. (Previously presented) The fluid pharmaceutical composition of claim 15 wherein the targeting moiety is a peptide.
- 18. (Currently amended) A method of treating an animal comprising administering to the animal a fluid pharmaceutical composition comprising an aqueous dispersion of micelles having an average diameter less than about 300 nm, said micelles comprising:
- a podophyllotoxin selected from the group consisting of etoposide and teniposide, <u>a surfactant consisting essentially of the covalently linked reaction product of tocopherol and tocoferol wherein said tocoferol consists of tocoferol covalently linked to <u>and</u> a water-soluble polymer <u>and being at least 99% free of unreacted tocopherol</u>.</u>
- 19. (Currently amended) The method of claim 18 wherein the tocoferol covalently linked to a water soluble polymer surfactant is d-α-tocopheryl polyethylene glycol 1000 succinate (TPGS) or a derivative thereof formed by attaching a polymer on the tocoferol

succinate portion or by attaching in which the TPGS is attached to the hydroxyl group of polyethylene glycol (PEG).

20. (Currently amended) A method of delivering a podophyllotoxin selected from the group consisting of etoposide and teniposide to a cell comprising administering to the cell a fluid pharmaceutical composition comprising an aqueous dispersion of micelles having an average diameter less than about 300 nm, said micelles comprising:

a podophyllotoxin selected from the group consisting of etoposide and teniposide; and a surfactant consisting essentially of the covalently linked reaction product of tocopherol tocoferol wherein said tocoferol consists of tocoferol covalently linked to and a water-soluble polymer and being at least 99% free of unreacted tocopherol.

21. (Currently amended) A method of inhibiting cancer comprising administering to an animal having cancer a fluid pharmaceutical composition comprising an aqueous dispersion of micelles having an average diameter less than about 300 nm, said micelles comprising:

a podophyllotoxin selected from the group consisting of etoposide and teniposide; and a surfactant consisting essentially of the covalently linked reaction product of tocopherol tocoferol wherein said tocoferol consists of tocoferol covalently linked to and a water-soluble polymer and being at least 99% free of unreacted tocopherol.

- 22. (Previously presented) The fluid pharmaceutical composition of claim 1 wherein the micelles have an average diameter less than about 100 nm.
- 23. (Previously presented) The fluid pharmaceutical composition of claim 1 wherein the micelles have an average diameter less than about 50 nm.
- 24. (Previously presented) The fluid pharmaceutical composition of claim 1 wherein the micelles have an average diameter from about 3 nm to about 25 nm.